No 1st & Final

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

Date 2017.

AEE YNK SUB. DN SBR No: 16/17-18 Date: 9/5/17

Division: BBMP YNK Sub-Division: **Yelahanka Sub – Division.**

YNK-DBR No. 23 Dated 09.05.17

Bill Received No. Divisional Cash Book Voucher No..... Dated.....

Sub Divisional **Work Code: 001-17-000036.**

Schedule Docket No. Head of Account: P. 3089 Est.Cost: **45.00** Lakhs B.R.No. :

Name of Work : Asphalting and improvements to roads at surabhi layout 2nd main and cross roads in ward No-1 of yelahanka Sub Division.

Name of Contractor and Full Address: **Technical Manager (West) KRIDL, BBMP, Bangalore.**

Reference to Agreement No. EE/YNK.D/ **W.O/152/2017-18.** Date: 31-3-2017.

Certified that the measurements were taken by me on 9/5/17 ...and recorded of Pages 4655 to 4655 of measurement Book No. 4655 ... and that the work is satisfactorily executed.

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 3/5/17 and found correct. The work is satisfactorily executed.

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Yelahanka Sub Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

II Memorandum of Payment

		Amount
1)	Total value of work done or supplies made as per account within	
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
a)	Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....	1st & Final 4398072=00
	adjusted towards cash advance recovery of	
b)	Payments Now made: cost store or other material supplied.	
	recovery of amount creditable to this/other work	
	Amount paid on this bill Cheque / Cash.	
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor unadjustments items.	
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	

FSD	219904=00
IT	87962=00
KST	175923=00
LC	43981=00
CBF	4399=00
LR	94630=00
T.D	626799=00
Net	3771273=00

Total amount adjusted -

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Contractor's Signature

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

(For use in the Office)

Witness
1.
2.

Dated Signature of Contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL BBMP, Bangalore

Paid by me by Cheque No. Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Audited & Admitted for Rs. 4398072=00

Stamp

3771273=00

and Rs. 626799

Executive Engineer

sl no	Description of work	Unit
1	KSRRB 300-1 Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	Cum.
2	KSRB 5-14 Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200mm having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00N/mm2 confirming to IS 2185(part 1):2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing , hire charges of machineries etc., complete as per specifications.KBS No 5.4	Sqm
3	KSRB 4-1.2 Providing and laying in position plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2	Cum.
4	KSRB 5.2-3. Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum.
5	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing	Sqm
6	KSRB 4-1.6 , Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2	Cum.
7	Providing and laying Plain /reinforced cement concrete for side drains wall and bottom thickness 15cm using M20 nominal mix concrete with OPC cement at 300kg with 20mm and down size granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.43 cum machine mixed well compacted for walls at bottom including centring shuttering cost of materials HOM of machineries curing etc.completeexcluding cost of steel as per MORTH specification No.1500,1700,2200	Cum.
8	KSRB 4.9.2 Providing T M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne
9	Providing precast slab of 100 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-	Sqm
10	Providing precast slab of 250 mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge-	Sqm
11	KSRRB M300-14 Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301	Cum.
12	KSRRB M400-6.1 Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method Close graded granular sub-base material as per 400-1 For Grading- II Material	Cum.
13	KSRRB M400-17 Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406	Cum.
14	KSRRB M500-6 Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502	Sqm
15	KSRRB 500-7 Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5	Sqm
16	KSRRB M500- 17 Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and filler, transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500-10 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Specification No.507	Cum.
17	KSRRB M500- 19 Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Specification No.509	Cum.
18	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 4kms.	Cum.
19	KSRRB M800-13 Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803	Sqm
		TOTAL

Certificates:

1. The above work is done satisfactorily and complete in all respect.
2. There is no department Material issue for the above work.
3. This works comes under BBMP Limit.

Previous Measurment		Present Measurement			Total up-to date		Remarks
Qty	cost	Qty	Rate	Cost	Qty	cost	
–	–	278.46	86.92	24204.00	278.46	24204.00	
–	–	130.40	758.96	98968.00	130.40	98968.00	
–	–	18.69	5348.76	99968.00	18.69	99968.00	
–	–	53.04	4438.22	235403.00	53.04	235403.00	
–	–	88.40	102.82	9089.00	88.40	9089.00	
–	–	11.13	5767.46	64192.00	11.13	64192.00	
–	–	13.95	11032.48	153903.00	13.95	153903.00	
–	–	0.85	59413.00	50501.00	0.85	50501.00	
–	–	244.50	1757.00	429587.00	244.50	429587.00	
–	–	93.60	4725.00	442260.00	93.60	442260.00	
–	–	831.29	48.76	40534.00	831.29	40534.00	
–	–	277.10	1665.26	461444.00	277.10	461444.00	
–	–	415.64	1768.08	734885.00	415.64	734885.00	
–	–	1847.30	27.56	50912.00	1847.30	50912.00	
–	–	1847.30	11.66	21540.00	1847.30	21540.00	
–	–	92.35	6435.26	594283.00	92.35	594283.00	
–	–	55.40	7270.54	402759.00	55.40	402759.00	
–	–	1109.75	80.80	89668.00	1109.75	89668.00	
–	–	56.80	542.72	30826.00	56.80	30826.00	
				4034926		4034926	
9% KRIDL Service Charge				363143		363143	
Cost towards preparation of PMC/Qc				40349		40349	
Cost of plastic @ 8% bitumen qty for BC			625.13x27	16879		16879	
Grand tota l				4455297		4455297	

Asst. E
Yela